

Appendix A

Key Indicators of Progress
Toward Postsecondary Reform
2003-04

Appendix A: Key Indicators of Progress Toward Postsecondary Reform

Note: Measurements and goals reported were current as of June 30, 2004.

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Question 1: Are more Kentuckians ready for postsecondary education?

Preparation of Adults

1.A Percentage of adults (25 and over) with at least a high school diploma or GED

Level of Measurement	Actual						Goal
	1998	1999	2000	2001	2002	2003	2003
Statewide	77.9%	78.2%	78.7%	79.0%	80.8%	82.8	81.1
US	82.8%	83.4%	84.1%	84.1%	84.1%	84.6	

Source: US Census Bureau, Current Population Survey

Preparation of High School Graduates

1.B Average ACT scores of high school graduates

Level of Measurement	Actual							Goal	
	1998	1999	2000	2001	2002	2003	2004	2004	2014
Statewide	20.2	20.1	20.1	20.1	20.0	20.2	20.3	20.3	National
US	21.0	21.0	21.0	21.0	20.8	20.8	20.9		average

Source: ACT, Inc.

1.C Number of college-level courses per 1,000 HS juniors and seniors

Level of Measurement	Actual						Goal
	1998	1999	2000	2001	2002	2003	2004
Statewide	83.8	94.8	95.8	124.8	219.5	377.7	400.0

Note: Calculation is number of high school juniors and seniors enrolled in college courses and the number of scores of "3" or better on AP tests per 1,000 high school juniors and seniors.

Source: CPE Comprehensive Data Base, KDE, College Board

Affordability

1.D *Measuring Up* affordability measures

Level of Measurement	Indicator	Actual			Goal
		2000	2002	2004	2006
Statewide		<u>KY</u>	<u>KY</u>	<u>KY</u>	
	Ability to pay, Public 4-Year	21%	19%	22%	Improve on all six indicators
	Ability to pay, Public 2-Year	17%	17%	21%	
	Ability to Pay, Private	44%	40%	52%	
	Need-based financial aid	33%	37%	40%	
	Low-priced colleges	14%	13%	20%	
	Low student debt	\$3,327	\$2,987	\$3,018	

Source: National Center for Public Policy and Higher Education, National Report Card on Higher Education

Question 2: Are more students enrolling?

Postsecondary Enrollment

2.A Number of undergraduates

Level of Measurement	Institution	Actual						Goals			
		1998	1999	2000	2001	2002	2003	2003	2004	2005	2006
Systemwide, Institutions	Eastern Kentucky University	13,480	13,274	12,909	13,023	13,053	13,567	13,339	13,472	13,606	13,742
	Kentucky State University	2,205	2,277	2,129	2,165	2,107	2,138	2,325	2,400	2,450	2,500
	Morehead State University	6,743	6,645	6,755	7,268	7,712	7,929	7,447	7,544	7,641	7,740
	Murray State University	7,349	7,299	7,492	7,776	8,088	8,385	7,900	8,000	8,100	8,200
	Northern Kentucky University	10,643	10,672	10,859	11,288	12,164	12,223	12,100	12,400	12,700	13,000
	University of Kentucky	17,157	16,847	16,899	17,284	17,878	18,190	17,535	17,615	17,675	17,715
	University of Louisville	14,647	14,710	14,477	14,131	14,475	14,724	14,370	14,300	14,300	14,300
	Western Kentucky University	12,713	12,921	13,272	14,135	15,234	15,798	14,435	14,585	14,735	14,885
	Subtotal	84,937	84,645	84,792	87,070	90,711	92,954	89,451	90,316	91,207	92,082
	Lexington Community College	6,118	6,807	7,214	7,793	8,270	8,672	8,265	8,345	8,435	8,520
KCTCS		45,529	46,035	52,201	63,120	67,812	72,023	66,900	69,600	73,100	76,700
Total Public Institutions		136,584	137,487	144,207	157,983	166,793	173,649	164,616	168,261	172,742	177,302
Independent Institutions		24,342	24,099	25,159	26,551	26,845	26,955	27,551	28,051	28,551	29,051
System Total		160,926	161,586	169,366	184,534	193,638	200,604	192,167	196,312	201,293	206,353

Source: CPE Comprehensive Data Base

Postsecondary Enrollment, cont'd

2.B Number of graduate/first-professional students

Level of Measurement	Institution	Actual						Goals			
		1998	1999	2000	2001	2002	2003	2003	2004	2005	2006
Systemwide, Institutions	Eastern Kentucky University	1,922	1,914	1,748	1,890	2,195	2,384	2,121	2,163	2,206	2,250
	Kentucky State University	98	116	125	149	146	168	155	159	163	166
	Morehead State University	1,520	1,526	1,572	1,759	1,678	1,580	1,740	1,760	1,780	1,800
	Murray State University	1,554	1,615	1,649	1,872	1,832	1,715	1,900	1,950	2,000	2,050
	Northern Kentucky University	1,156	1,104	1,242	1,260	1,579	1,722	1,445	1,520	1,570	1,610
	University of Kentucky	6,552	6,219	6,217	6,764	7,155	7,289	6,935	6,970	7,040	7,110
	University of Louisville	5,562	5,424	5,627	5,573	5,958	6,101	5,768	5,872	5,902	5,937
	Western Kentucky University	2,169	2,202	2,244	2,444	2,584	2,593	2,518	2,555	2,592	2,629
Total		20,533	20,120	20,424	21,711	23,127	23,552	22,582	22,949	23,253	23,552

Note: Excludes post-doctoral students and house staff

Source: CPE Comprehensive Data Base

College-Going

2.C Ninth-graders enrolling in college within four years

Level of Measurement		1996	1998	Actual 2000	2002	Goal 2004
Statewide						
	Kentucky	36.0%	37.0%	37.9%	38.3%	Increase percentage, narrow gap with top states
	Top States	54.0%	54.0%	52.0%	NA	
	National Average	39.7%	38.8%	37.5%	38.0%	

Source: NCPPE, National Report Card, Postsecondary Opportunity

2.D College-going rates of GED completers within two years

Level of Measurement	Actual				Goal	
	1998	1999	2000	2001	2001	2002
Systemwide	12%	15.6%	17.6%	19.9%	19.4%	21.2%

Sources: CPE Comprehensive Data Base , Kentucky Adult Education - Council on Postsecondary Education

Question 3: Are more students advancing through the system?

Persistence and Completion

3.A One-year retention rates of first-time freshmen

Level of Measurement	Institution	1998	1999	Actual 2000	2001	2002	2003	2003	Goals 2004	2005	2006
Institutions	Eastern Kentucky University	72.1%	69.8%	72.9%	73.4%	72.7%	72.8%	74.6%	75.2%	75.8%	76.5%
	Kentucky State University	64.8%	76.5%	69.8%	76.2%	62.3%	67.7%	77.1%	77.6%	78.1%	78.5%
	Morehead State University	73.2%	69.3%	71.1%	75.0%	75.1%	73.3%	76.0%	76.5%	77.0%	77.5%
	Murray State University	77.6%	73.3%	77.7%	77.8%	77.0%	74.3%	78.2%	78.4%	78.6%	78.8%
	Northern Kentucky University	66.4%	66.0%	68.2%	69.0%	72.4%	67.5%	70.2%	70.8%	71.4%	72.0%
	University of Kentucky	86.7%	86.3%	88.0%	86.1%	88.2%	86.4%	87.9%	88.1%	88.3%	88.5%
	University of Louisville	78.0%	77.0%	78.7%	78.4%	80.8%	83.2%	80.1%	81.0%	81.9%	82.8%
	Western Kentucky University	74.1%	75.3%	76.8%	77.1%	78.5%	77.6%	77.8%	78.1%	78.4%	78.9%
	KCTCS	54.1%	53.8%	54.9%	52.4%	55.4%	55.2%	54.8%	56.0%	57.2%	58.4%
	Lexington CC	63.6%	62.5%	63.7%	65.6%	63.2%	60.9%	66.5%	67.0%	67.5%	68.0%
Total Public Institutions		67.7%	67.3%	69.1%	65.9%	68.3%	68.3%				

Source: CPE Comprehensive Data Base

Note: Students who enroll at the same institution, another Kentucky institution, or who graduate are considered retained.

3.B Number of community and technical college transfers

Transfers in from KCTCS or LCC

Level of Measurement	Institution	Actual						Goals		
		1998	1999	2000	2001	2002	2003	2004	2005	2006
Institutions	Eastern Kentucky University	470	468	461	408	392	472	480	488	496
	Kentucky State University	17	12	9	19	17	21	22	27	32
	Morehead State University	267	260	269	265	272	221	302	311	321
	Murray State University	294	302	308	326	317	309	330	335	340
	Northern Kentucky University	47	45	58	48	50	52	76	88	110
	University of Kentucky	806	746	660	704	700	648	690	700	711
	University of Louisville	466	421	293	326	342	350	356	374	393
	Western Kentucky University	288	270	245	262	319	296	291	305	319
Total		2,655	2,524	2,303	2,358	2,409	2,369	2,547	2,628	2,722

Transfers to any Kentucky public or independent four-year institution

Level of Measurement	Institution	Actual						Goals		
		1998	1999	2000	2001	2002	2003	2004	2005	2006
Institutions	KCTCS	2,541	2,434	2,213	2,145	2,219	2,242	2,666	2,810	2,962
	Lexington CC	552	553	534	587	658	709	572	581	590
Total		3,093	2,987	2,747	2,732	2,877	2,951	3,238	3,391	3,552

Source: CPE Comprehensive Data Base

Graduation

3.C Percentage of adults with a bachelor's degree or higher

Level of Measurement	1998	1999	Actual 2000	2001	2002	2003	2004	Goals 2005	2020
Statewide	20.1%	19.8%	20.5%	20.4%	21.6%	21.3%	22.1%	22.4%	National
US	24.4%	25.2%	25.6%	26.2%	26.7%	27.2%			Average

Source: US Census Bureau, Current Population Survey. Annual Social and Economic Supplements, 1998-2003

3.D Six-year graduation rates of bachelor's degree students

Level of Measurement	Institution	1998	1999	Actual 2000	2001	2002	2003	2003	Goals 2004	2005	2006
Universities	Eastern Kentucky University	26.8%	31.5%	30.0%	37.2%	33.1%	37.1%	33.5%	35.5%	37.5%	40.0%
	Kentucky State University	17.7%	31.3%	31.2%	33.5%	27.2%	39.0%	33.0%	34.0%	35.0%	36.0%
	Morehead State University	40.1%	44.0%	38.6%	45.6%	43.8%	44.2%	43.0%	44.0%	45.0%	46.0%
	Murray State University	38.5%	40.9%	46.3%	55.0%	55.4%	56.3%	48.4%	49.0%	49.7%	50.4%
	Northern Kentucky University	30.1%	32.3%	35.4%	40.5%	37.8%	33.3%	36.5%	37.0%	37.5%	38.0%
	University of Kentucky	50.8%	52.2%	55.3%	57.2%	57.8%	61.1%	56.8%	57.4%	58.0%	58.6%
	University of Louisville	29.9%	31.6%	30.8%	33.3%	32.8%	34.9%	36.7%	38.6%	40.6%	42.6%
	Western Kentucky University	39.1%	37.7%	41.5%	40.8%	41.0%	43.4%	41.8%	42.0%	43.2%	44.4%
	Total University System	36.7%	39.3%	39.8%	44.1%	43.5%	45.3%				

Source: CPE Comprehensive Data Base

Question 4: Are we preparing Kentuckians for life and work?

Undergraduate Student Experience

4.A National Survey of Student Engagement (NSSE), 2003

Composite Benchmark Scores*

	EKU		KSU		MoSU		MuSU	
	Actual	Predicted	Actual	Predicted	Actual	Predicted	Actual	Predicted
First-Year Students								
Level of Academic Challenge	49.8	50.3	50.2	46.9	51.9	50.5	51.0	49.8
Active and Collaborative Learning	39.5	37.4	39.5	42.5	39.0	39.2	41.8	38.7
Student Interactions with								
Faculty Members	36.8	31.5	37.7	37.0	37.3	33.9	38.7	33.0
Enriching Educational Experiences	50.4	49.4	57.6	51.2	53.6	52.9	54.8	51.1
Supportive Campus Environment	59.0	59.0	52.8	56.7	56.3	60.1	61.7	59.6
Senior Students								
Level of Academic Challenge	54.4	54.1	50.9	52.1	54.2	55.5	54.6	54.2
Active and Collaborative Learning	50.9	50.1	50.4	53.3	50.0	49.9	49.1	50.5
Student Interactions with								
Faculty Members	43.8	41.6	43.0	43.5	42.1	44.3	45.8	43.1
Enriching Educational Experiences	45.9	44.3	51.1	47.6	47.0	45.9	45.0	45.0
Supportive Campus Environment	55.9	56.2	52.8	57.5	55.2	58.4	61.0	58.0

	NKU		UK		UofL		WKU	
	Actual	Predicted	Actual	Predicted	Actual	Predicted	Actual	Predicted
First-Year Students								
Level of Academic Challenge	48.7	47.7	52.2	50.5	47.3	48.7	47.3	49.5
Active and Collaborative Learning	38.1	36.1	35.1	37.0	34.7	35.7	36.9	37.9
Student Interactions with								
Faculty Members	36.3	30.5	34.4	33.1	31.0	32.2	32.5	32.0
Enriching Educational Experiences	48.1	44.9	51.4	53.7	54.1	50.0	52.1	50.8
Supportive Campus Environment	62.9	56.1	59.0	57.6	53.9	54.7	56.1	59.1
Senior Students								
Level of Academic Challenge	51.8	51.9	54.4	52.9	52.1	51.0	52.5	53.9
Active and Collaborative Learning	47.3	45.9	46.2	45.8	44.3	42.5	47.8	49.3
Student Interactions with								
Faculty Members	41.0	37.4	41.5	39.1	37.1	35.6	41.3	41.5
Enriching Educational Experiences	41.8	39.9	46.7	45.9	43.1	41.6	48.1	45.8
Supportive Campus Environment	55.3	54.8	53.7	52.7	50.7	51.1	53.6	57.8

*Based on a 100-point scale.

Goal: The goal is for each of the universities to score above "predicted" in all benchmarks in 2004

Note: For each of the benchmarks, NSSE provides institutions with actual and predicted scores. The predicted scores are based on student demographics, admissions selectivity, enrollment, and a variety of other factors and allow institutions to compare their performance with the performance of similar institutions. Institutions whose actual score is higher than their predicted score in a given benchmark category out-perform their peers in that area.

Source: NSSE

4.B Civic Engagement, Selected indicators from NSSE, 2003

Participation in Community and Volunteer Activities

Percent of Respondents Who Answered "Very Often," "Often," or "Sometimes"											
	2001	EKU	KSU	MoSU	MuSU	NKU	UK	UL	WKU	KY	NSSE
Participated in a community-based project as a part of a regular course	First-Year	18%	42%	26%	19%	17%	16%	24%	25%	22%	27%
	Seniors	42	40	44	30	32	33	38	37	37	41
2003	First-Year	28	49	24	30	14	15	25	21	23	34
	Seniors	48	38	35	40	33	35	23	43	37	44

Percent of Respondents Who Answered One Hour or More											
	2001	EKU	KSU	MoSU	MuSU	NKU	UK	UL	WKU	KY	NSSE
Hours per week spent doing volunteer work	First-Year	44%	56%	46%	49%	36%	48%	39%	48%	45%	NA
	Seniors	52	72	50	52	43	48	45	48	49	NA
2003	First-Year	32	36	26	43	36	29	32	30	33	NA
	Seniors	40	44	40	39	42	39	39	41	40	NA

Contribution of College Experience to Personal Development

Percent of Respondents Who Answered "Very much" or "Quite a Bit"											
	2001	EKU	KSU	MoSU	MuSU	NKU	UK	UL	WKU	KY	NSSE
College experience contributed to knowledge, skills and personal development – voting	First-Year	29%	39%	38%	27%	21%	18%	25%	30%	27%	26%
	Seniors	33	39	33	32	26	22	29	20	27	25
2003	First-Year	23	29	18	28	23	16	17	20	21	23
	Seniors	17	32	23	23	16	22	14	24	21	23
College experience contributed to knowledge, skills and personal development – community welfare	2001										
	First-Year	26	27	31	30	19	20	26	24	25	33
	Seniors	46	56	43	37	26	33	33	39	37	40
2003	First-Year	35	28	34	41	30	27	27	33	32	41
	Seniors	35	41	37	39	29	32	27	36	34	44

4.C Degrees Conferred

Institution	Actual						Goals	
	1998/99	1999/00	2000/01	2001/02	2002/03	2003/04	2003/04	2004/05
Eastern Kentucky University	2167	2100	2029	1945	2126	2,301	2146	2166
Kentucky State University	222	245	236	259	251	256	277	283
Morehead State University	1178	1259	1246	1229	1285	1,350	1285	1304
Murray State University	1535	1732	1727	1834	1873	2,013	1885	1911
Northern Kentucky University	1486	1483	1463	1562	1767	1,875	1810	1903
University of Kentucky	4988	4872	4888	7971	4970	5,247	5100	5200
University of Louisville	3377	3269	3568	3607	3443	3,648	3463	3483
Western Kentucky University	2436	2267	2209	2420	2536	2,890	2587	2638
LCC	369	384	438	488	601	656	625	650
KCTCS	3139	3062	3322	3706	4229	4,764	4310	4390
Total	20,923	20,673	21,126	22,021	23,081	25,000	23,488	23,928

Source: CPE Comprehensive Data Base

4.D Degrees Conferred in Priority Areas

Institution	1998/99	1999/00	2000/01	Actual			Goals	
				2001/02	2002/03	2003/04	2003/04	2004/05
Eastern Kentucky University	776	737	689	657	703	732	716	730
Kentucky State University	53	61	57	71	72	85	89	102
Morehead State University	315	293	305	306	289	297	300	309
Murray State University	702	750	740	763	806	816	815	830
Northern Kentucky University	353	320	284	344	334	375	343	363
University of Kentucky	2,396	2,312	2,290	2,280	2,173	2,273	2,200	2,250
University of Louisville	1,316	1,298	1,380	1,446	1,269	1,381	1,275	1,285
Western Kentucky University	766	609	628	653	711	878	787	819
KCTCS	986	953	1,106	1,074	1,214	209	1,235	1,255
LCC	188	215	212	194	250	1,425	260	270
Total	7,851	7,548	7,691	7,788	7,821	8,471	8,020	8,213

Source: CPE Comprehensive Data Base

Question 4: Are Kentucky's communities and economy benefiting?

Research and Development

5.A Extramural research and public service expenditures per full-time faculty, three-year average

Level of Measurement	Institution	Actual				Goals		
		1996-1999	1997-2000	1998-2001	1999-2002	2001-2004	2002-2005	2003-06
Comprehensive Universities	Eastern Kentucky University	\$18,410	\$24,508	\$35,187	\$44,432	\$45,320	\$46,227	\$47,152
	Kentucky State University	50,176	52,372	51,062	52,505	54,625	55,719	56,833
	Morehead State University	15,993	17,808	18,909	22,743	23,198	23,662	24,135
	Murray State University	15,063	16,148	16,912	17,726	19,142	19,699	20,192
	Northern Kentucky University	6,142	6,807	7,342	8,354	8,651	8,959	9,278
	Western Kentucky University	23,187	27,194	30,905	33,202	34,181	35,541	36,635

Sources: IPEDS Finance and Fall Staff Surveys

5.B Extramural research and development expenditures (in \$ thousands)

Level of Measurement	Institution	Actual					Goals					
		1999	2000	2001	2002	2003	2003	2004	2005	2006	2010	2020
Research Universities	University of Kentucky	\$120,446	\$142,803	\$150,713	\$162,441	\$187,028	\$174,242	\$189,962	\$205,682	\$221,402	\$300,000	\$600,000
	University of Louisville	\$28,892	\$30,615	\$34,314	\$57,992	\$62,515	\$55,296	\$66,355	\$79,626	\$95,551	\$200,000	\$400,000
	Total	\$149,338	\$173,418	\$185,027	\$220,433	\$249,543	\$229,538	\$256,317	\$285,308	\$316,953	\$500,000	\$1,000,000

Note: Extramural expenditures include federal, state, industry, and other extramural sources (excluding institutional expenditures).

Source: National Science Foundation. UK figures adjusted by UK, 7/01.

5.C Federal research and development expenditures (in \$ thousands)

Level of Measurement	Institution	Actual					Goals					
		1999	2000	2001	2002	2003	2003	2004	2005	2006	2010	2020
Research Universities	University of Kentucky	\$66,184	\$73,858	\$86,239	\$100,426	\$120,003	\$100,486	\$113,801	\$127,115	\$140,429	\$207,000	\$414,000
	University of Louisville	\$15,536	\$17,713	\$25,116	\$38,978	\$39,924	\$42,998	\$51,598	\$61,918	\$74,301	\$154,071	\$304,000
	Total	\$81,720	\$91,571	\$111,355	\$139,404	\$159,927	\$143,484	\$165,399	\$189,033	\$214,730	\$361,071	\$718,000

Source: National Science Foundation